# **POOR LEGIBILITY**

# PORTIONS OF THIS DOCUMENT MAY BE UNREADABLE, DUE TO THE QUALITY OF THE ORIGINAL



MARTHA LAYNE COLLINS
GOVERNOR

**COMMONWEALTH OF KENTUCKY** 

#1832

# NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

September 28, 1987

Ms. Betsy Shaver
Kentucky CERCLA PA/SI Regional Project Officer
U. S. Environmental Protection Agency
345 Courtland Street
Atlanta, Georgia 30365

RE: Preliminary Assessment Report Richmond Ice Company Madison County, Kentucky EPA ID# KYD

Dear Ms. Shaver:

Enclosed is the Preliminary Assessment (PA) Report for the Richmond Ice Company in Madison County, Kentucky. The following conclusions are based on the findings in EPA Form 2070-12 (Appendix A):

- 1. The Richmond Ice Company is located within the city limits of Richmond. A lake behind the ice plant was filled in with dirt and municipal waste from 1973 until 1978.
- 2. This site is not a RCRA Treatment, Storage and Disposal (TSD) site and therefore falls under the CERCLA Program. This site was placed on the Uncontrolled Site Section Discovery List in December 1986 due to "questionable fill for the small lake".
- 3. The preliminary HRS score for an observed release of toleune at the site is (Appendix B). No hazardous conditions were found to exist at Richmond Ice Company.

The Kentucky Division of Waste Management (KDWM) is recommending a low priority for this site investigation at the Richmond Ice Company due to one occurance of suspect fill material.

Sincerely,

Caroline Patrick Haight, Manager Permit Review Branch

## PRELIMINARY ASSESSMENT REPORT

# RICHMOND ICE COMPANY RICHMOND, MADISON COUNTY, KENTUCKY

BY
JON MAYBRIAR
UNCONTROLLED SITE SECTION
DIVISION OF WASTE MANAGEMENT
SEPTEMBER, 1987

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History of Site	1
Route of Possible Contamination	1
Possible Affected Population and Resources	1

#### **APPENDICES**

- EPA Preliminary Assessment Form 2070-12 Preliminary HRS Score Sheet **A**-
- B-
- C-Maps
- D-Site Visit Memo
- E-
- Photographs
  Population data documentation on surface and Groundwater Usage Fdocumentation
- G-Water Usage

#### HISTORY OF SITE

The Richmond Ice Company is located at 816 Heath Street in Richmond, Kentucky (Appendix C). The plant commercially manufactures ice for Richmond and surrounding areas. The operation began in 1959 and is currently owned by Marsh Orwtenburger and Marylin Williams. Prior to 1973, the ice company utilized a lake on their property as a water source for making ice, but in May 1973 switched to a municipal water supply for their ice production. The lake was to be filled in with dirt only and required no solid waste permit. On April 13, 1973, a site investigation by KDWM personnel found a small oil slick on the lake, a slimy substance on the bank, and some municipal garbage around the lake (Appendix D). By May 1978, the lake had been filled and graded. On the August 24, 1987, Preliminary Assessment (PA) site visit, no municipal garbage or industrial waste was observed. The site appeared to be completely reclaimed with adequate cover and vegetation over the site (Appendix E). If industrial waste was taken to this site, toluene would be a typical contaminant and resulted in it being chosen for ranking purposes.

#### **ROUTE OF CONTAMINATION**

The site is located on the border of the Inner Bluegrass and the eastern Knobs Region and is approximately three (3) acres in size and relatively level. Soils at the site are the Caleast Series and are the deep well-drained soils that form in residuum from limestone. Due to high fertility and permeability, soils around the site have a high crop production rate.

Rocks in the area are in the Upper Ordivician System and bedrock can be found eight (8) to ten (10) feet beneath the surface in the Ashlock Formation. This formation consist of alternate layers of dolomite, shale, and limestone (USGS-1966).

The aquifer of concern can be found 125 feet beneath the site in the Maysville Group. Wells in this group yield 100 to 500 gallons per day (gpd) in broad valley bottoms and along streams but almost no water to wells on hillsides or ridges (USGS-1960).

#### POSSIBLE AFFECTED POPULATION AND RESOURCES

Population within a one (1) mile radius of the site is estimated to be 21,907 people. There are an estimated 30,054 residents living within a three (3) mile radius and 30,746 people residing within a four (4) mile radius of the site (Appendix F).

Drinking water for Richmond is supplied by Richmond Water, Gas and Sewage Works. Their water intake is upgradient on the Kentucky River. There are no surface water intakes fifteen (15) mile downgradient of the site. An estimated 217 residents utilize groundwater within a three (3) mile radius of the site (Appendix G).

#### REFERENCES

Kentucky Department of Economic Development, "Resources for Economic Development Richmond, Kentucky". The Richmond Chamber of Commerce, 1986.

Kentucky Division of Waste Management Files on Richmond Ice Company.

USGS, 1960. Availability of Groundwater in Clark, Estill, Madison and Powell Counties.

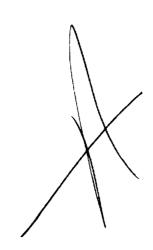
USGS, 1967. Geological Map of the Union City Quadrangle, Madison and Clark Counties, Kentucky.

USGS, 1952. Photorevised 1979, Moberly Quadrangle, 7.5 Minute Series Topographic Map.

USGS, 1965. Photorevised 1979, Richmond North Quadrangle, 7.5 Minute series topographic Map.

USGS, 1965. Photorevised 1979, Richmond South Quadrangle, 7.5 Minute Series Topographic Map.

USGS, 1952. Photorevised 1979, Union City Quadrangle, 7.5 Minute Series topographic Map.



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32		20

#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - BITE INFORMATION AND ASSESSMEN

LIDENTIFICATION

01 STATE 02 SITE NUMBER

KY New Site

	T 1 - SITE INFORMATION A	nd assessmen	t LEXI	NEW S. FR
IL SITE NAME AND LOCATION	<del></del>			
O I SITE NAME (Laget common, or decorpative name of abo)			ECIFIC LOCATION IDENTIFIER	
Richmond ILE Com			Street	
os cary			COUNTY	07 COUNTY OF CONG
Richmond	Ky	40475	Madison	15/ 05
00 COOPDINATES LATITUDE  37 44 26.2 _ 84	LONGITUPE "			
37 44 26.2 _84	16 03.5		• 6/41	
10 DIRECTIONS TO SITE ISSUES FOR THE PARTY AND AVE.	BEHIND RICHM	OND ICE	- FLANI	
M. RESPONSIBLE PARTIES				
01 OWNER (F Annual)		ET (Britises, maling, results		
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I OT CITY	04 STATI	E 05 ZP CODE	OS TELEPHONE NUMBER	
Richmond	ky	40475	16.61623-6990	
	06 STRE	ET (thraness, malling, reside		
Marlin William	103	B.b-0-	INK	<b>-</b>
Richmond	10 STATE	14	12 TELEPHONE MANGER (666) 624-4589	Ŀ
13 TYPE OF OWNERSHIP (Clust onl)  BY A PRIVATE [] B. FEDERAL:			DD.COUNTY DE.MU	<del></del>
O E OTHER	(Agency name)	D.G. UNIONOV		· <del></del>
14 OWNER/OPERATOR NOTIFICATION ON FILE (Cross of the con-	beefy)			
☐ A. RCRA 3001 DATE RECEIVED:	- ,,	TE SITE CONCLA 188 A	DATE RECEIVED: /	D.C. NOME
IV. CHARACTERIZATION OF POTENTIAL HAZAJ			MONTH D	AY YEAR
DYES DATE 08 24 97	A. EPA G 8. EPA CONTR E. LOCAL HEALTH OFFICIAL	ACTOR ZC.		CONTRACTOR
	ONTRACTOR NAME(S):		(Second)	
02 SITE STATUS (Check ang)	03 YEARS OF OPERATION			
☐ A. ACTIVE Ø B. INACTIVE ☐ C. UNKNOW	• · · · · · · · · · · · · · · · · · · ·			N
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KIN	OWN, OR ALLEGED			
Dily & Slimy 501 being filled with	botances noted garbage.	on benk	e of pond	•
06 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT				
unknown				
A BONDLLA TOSCOUTING				
V. PRIORITY ASSESSMENT	And Assessment Brown as	has the first the same of the		
O1 PRIORITY FOR INSPECTION (Check one. If high or modum to check  A. HIGH  Anaposition required promptly  Anaposition required	& C.LOW	D. NONE	ters Conditions and Incidency action needed, complete current disper	War Asem)
VL INFORMATION AVAILABLE FROM				
01 CONTACT	02 OF (Agency/Organization)			03 TELEPHONE NUMBER
Karen Glancy DA PERSON MESPONSIBLE FOR ASSESSMENT	KDWM Fi	ell office	<u>.                                    </u>	(606) 794-6634
1 1	OS AGENCY OS ONC	BANZATION LASTE	07 TELEPHONE MUMBER	OB DATE
Jon Maybriar	KDwm Mgt	CAMEATION OF WOSTE	9 ( )	O 8 , 21 , 97
EPA FORM 2070-12 (7-81)				

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#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

LIDENTIFICATION

OI STATE OF SITE MANSA

KY Hew Sik

, —			PART 2-WAST	E INFORMATION			
IL WASTE S	TATES, QUANTITIES, AN	O CHARACTER	STICS				
	TATES (Check of their sport)	02 WASTE QUANTI	TY AT BITE		EPRETICS (Check of the a		
DA BOLD	U E SLUNNY	TONS .	Military and and	DA TOXEC	OF BOLUE		
U C. BLUDGE		1	inknown	C. RADIOA	CTIME D & FLAM		
U D. OTHER	(Annaly)	NO. OF DRUMB				D M. NOT APPLICABLE	
IL WASTE T				<u> </u>	<del></del>		
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100	INORGANIC CHEMIC	ALS	ļ		<u> </u>		
ACD	ACIOS		}	<b></b>	<b></b>		
BAS	BASES	···-	<b>↓</b>	ļ	<b> </b>		
MES	HEAVY METALS		L	<u> </u>	L		
IV. HAZARD	OUS SUBSTANCES 1544 A	ppends for most frequen	<del></del>	<del></del>		<del>,</del>	1 44 14 14 44 44
O1 CATEGORY	02 SUBSTANCE N	WAE	03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	OS MEASURE OF CONCENTRATION
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CATEGORY	01 FEEDSTOC	X NAME	02 CAS NUMBER	CATEGORY	01 PEEDSTO	OCK NAME	02 GAS HUMBER
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	<del></del>		<del> </del>	FD6			
F06		<del></del>	<del> </del>	FOS			
FDS			<u> </u>	FDS		·	
VI. SOUNCE	S OF INFORMATION (CO	specific references, e.g.	. Allahi Mas. susiphi anahas.	reports )			
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	Dwm	FILES					

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# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

L DENTIFICATION

OI STATE OF BYTE HANGEN

KY New Site

PART 3 - DESCRIPTION OF H	AZARDOUS CONDITIONS AND INCIDENT		46m 317E
B. HAZARDOUS CONDITIONS AND INCIDENTS			
01 LETA GROUNDWATER CONTAMBATION 03 POPULATION POTENTIALLY AFFECTED: 2/7	02 P-086ERVED (DATE:	O POTENTIAL	D ALLEGED
2/7 People reside within 01 26 SUFFACE WATER CONTAMBATION OS POPULATION POTENTIALLY AFFECTED: 28,785 Estimated pop. for 1987. Population	og 3 m:/e radius of site of 2000 consideration in 1973 was considerated	13. hg gaind of potental	noto for dona
01 C. C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE	D POTENTIAL	D ALLEGED
01 D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED.	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	O POTENTIAL	() ALLEGED
01 DE DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: 28,775 Population within a four (	OR PLOSSERVED (DATE: 08-21-87) ON HAMPATIVE DESCRIPTION (4) Mile Fadius of the	D POTENTIAL S. +c.,	D ALLEGED
01 E.F. CONTAMINATION OF SOIL 32 03 AREA POTENTIALLY AFFECTED: 32 Appr., Size of pond that a	02 - OBSERVEDIDATE) 04 NATRATIVE DESCRIPTION wes filled with garbage	& FOTENTIAL.	D ALLEGED .
01 26 DADKING WATER CONTAMENATION 30/ 03 POPULATION POTENTIALLY AFFECTED: 30/ 30/ People utilize wells a within a 4 mile redio. 21		ester (3) mik	□ ALLEGED
01 DH. WORKER EXPOSURE/MURY 03 WORKERS POTENTIALLY AFFECTED:  100 100 100 100 100 100 100 100 100 10	02   OBSERVED (DATE:) 04 NAMEATIVE DESCRIPTION	C) POTENTIAL	C ALLEGED
01 DT POPULATION EXPOSURE/HULLRY OR POPULATION POTENTIALLY AFFECTED: 28,795  Population within a for (4) or	02 DOBSERVED (DATE:	C) POTENTIAL	C ALLEGED

# POTENTIAL HAZARDOUS WASTE SITE

L DENTFICATION

PART 3 - DESCRI	PRELIMINARY ASSESSMENT PTION OF HAZARDOUS CONDITIONS AND INCIDENTS	KY	New Six
B. HAZANDOUS CONDITIONS AND INCIDENT	3 (Control	······	
01 ET J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 2 TOBSERVED (DATE: 03-24-97)	D POTENTAL	O ALLEGED
None observed			
01 D. K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include namedial of species		O POTENTIAL	□ ALLEGED
unknown			
01 D L CONTAMINATION OF FOOD CHAIN 04 MARRATIVE DESCRIPTION	02   OBSERVED (DATE:)	D POTENTIAL	□ ALLEGED
y known			
01   M. UNSTABLE CONTAINMENT OF WASTES	02   OBSERVED (DATE:)	O POTENTIAL	□ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
un known			
01 D N. DAMAGE TO OFFSITE PROPERTY 04 NARPATIVE DESCRIPTION	O2 () OBSERVED (DATE:)	D POTENTIAL	C) ALLEGED
hone observed			
01 D. CONTAMINATION OF SEWERS, STORM 04 NARRATIVE DESCRIPTION	DRAMS, WWTPs 02 - OBSERVED (DATE:)	D POTENTIAL	O ALLEGED
Nove opening			
01 G P. BLEGAL UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 © OBSERVED (DATE:)	D POTEMAL	□ ALLEGED
A pand behind the ic	e company was filled with god	ose beg.i	n.h.
17 1773 WAL 1788.			· · · · · · · · · · · · · · · · · · ·
06 DESCRIPTION OF ANY OTHER KNOWN, POTE	INTIAL, OR ALLEGED HAZAROS		
Unknown			
M. TOTAL POPULATION POTENTIALLY AFFE	CTED:		
IV. COMMENTS			
V. SOURCES OF INFORMATION (C40 SOURCE: 1949)	ences è g siare Mes sample anavisa raivorts/		

KYDWM Files

	CRITICAL HRS FACTOR DOCUMENTATION FORM DATE: 8-2/- # 7
:1	TE NAME: Richmond ICE Company
7	ID 1: New S:te REVIEWER: J. Maybria
١.	Is an observed release documented (background and site samples are available and the site is shown to be the source of the contamination) or is one likely?
	GROUNDWATER: Yes No Likely SURFACE WATER: Yes No Likely  Groundwater info source: KY Dum Files  Surface water info source:
	What is the depth at the site to the shallowest aquifer used locally for drinking water?
	Depth: 30 to 35 Known Estimated Unknown  Source: USGS 1960 - Arcifebility of Grand Water in Clark Estill, Median, and Pagental Com
	What is the distance to surface water from the hazardous waste?
	Distance: \( \lambda \sigma \sigma' \) Known \( \sigma \text{Estimated} \) Unknown \( \sigma \text{Source:} \) USG-5, 1965 - Richmord South Durdwerk 7.5 mink Senie Top m.
4)	What are the most toxic/persistent chemicals at the site: Unknown
	a) Tolune b) c) Source: KYDWA Files
	Source: KYDWA Files
5)	What is the hazardous waste quantity?
	Quantity: Known Estimated Unknown Source:
6)	What is the distance to the nearest <u>public</u> water supply well using the aquifer of concern and what is the population served?
	Distance: Known Estimated Unknown
	Population: Known Estimated Unknown Source:
7)	What is the distance to the nearest <u>private</u> water supply well using the aquifer of concern and what is the population served within 3 miles?
	Distance: // m:/e) Known Estimated / Unknown
	Distance: // m:/es Known Estimated / Unknown Population: // people Known Estimated / Unknown Source: UsGS 1965 - Richamoe South Quedrage 7.5 minute Series Topa Map
3)	What is the distance to the nearest downstream surface water intake and the population served?
	Distance: >15 miles Known _ Estimated Unknown _
	Population: Known Estimated Unknown

# REGION IV RCMANDL POLICY QUESTIONNAINE FOR INTUIAL SCREENING

site Home Kichmond Ice Company	<del></del>	<del></del>
city Richard State Ky		<del></del>
Facility I.D. Number New S.k		
Type of Facility: Generator Transporter	TSD	<del></del> .
I. KCRA APPLICABILITY	yes	no.
Does the facility have RCRA interim status?		
Does the facility have a final or post-closure permit? If so, date issued	•	
Is the facility a non-notifier that has been identified by States or EPA?		
Is the facility a known or possible protective filer?		
Have RCRA wastes been stored onsite for longer than 90 days since November 19, 1980?		
Have RCRA wastes been disposed onsite since November 19, 1980?		
STOP HERE IF ALL ANSWERS TO QUESTIONS IN SECTION I	CKI BRA	
II. FINANCIAL STATUS	yes	no
Is the facility owned by an entity that has filed for bankruptcy under federal laws (Chapter 7 or 11) or State laws?		· · · · · · · · · · · · · · · · · · ·
If yes, what has it filed under?		
Chapter 7 Chapter 11 Other		

11.	ETILORCEMENT		
	MPA Status	уел	กว
	Has the facility lost authorization to operate via IALS, 3005(d) penuit denial, 3008(h) 38 termination, 3005(d) penuit revocation?		
	Has the facilities interim status been terminated via another mechanism (i.e. administrative termination)?		
IV.	CERCIA STATUS		
	What CERCIA financed remedial or memoral activities have at the site? (RI/FS, RD/RA, OSM, forward planning, and include enforcement or PA/SI activities).		
v.	Enforcement Status	yes	no
	In general, would you characterize the facility as demonstrating an unwillingness to undertake corrective action based on prior State, CERCLA or RCRA actions?		
	If yes, please describe and cite the authorities exercis	ed.	
		yes	no
	Is the owner/operator a party to any enforcement action at the site?		
	If not, why not?		

And any PRPs (including owner/operators) undertaking remedial studies or action in response to CERCIA enforcement authorities? What is the extent/type of work that has been completed (RI/MI, etc.) and who (generators, owner/operator, etc.) is conducting the work?



# SITE SCREENING SUMMARY

Site	Name: K	ichmond Ice (	ampany
EPA :	ID 4:	lew Site	
Revi	ewer Name:	In Mayboia	Date: 08-2/-87
ı.	INITIAL RE	VIEW: (Check where app	copriate)
	NPL	RCRA Fed. Fac.	"Low Priority" Landfill
	NFA r	eason:	
II.	<u>LEAD</u> :	Fund Enforce	ement Unknown
III.	REMOVAL:	Needed reason	:
		Completed (score	using preremoval conditions)
IV.	HRS SCORE:	18.35 observe release	nfidence: high medium low
			6"2 Longitude: 8776 03.5
	A. Prelimin		mation <u>needed</u> to determine disposition) (Notes/sources for future reference)
	2. Obser	rved Release et Information	Dil Slick note ner waters edge April 3,1973
	3. large	ince to Surface Water	2500' +D Intermitant stream
	5. Depth	to aquifer of concern	30' to 35'
	2 6. Waste	eidentity	0.7
		dous waste quantity (	unknim
	B. Site Inv	vestigation	
	1. Waste	e identity	.•
	2. Dista	ance to surface water	
		/intervening terrain	0-2%
	4. Conta		•
	5. UOSEI	rved release (surface) rved release (ground)	
	7. Hazai	rdous waste quantity	
	8. Other	rs (list)	
	<del>_</del>		

# SITE DISCOVERY FORM

# Part 1: Information necessary to add a site to CERCLIS

Richmond Ice Plant		SOURCE: _	(REPA,	T=STATE
Big Hill Avenue and Heath	CONG DIST:	05 (optional	.)	
Richmond	ZIP: 40475 -			
37 44' / 26" LONGITUDE:	84 / 17 / 55	(options	1)	
IND: Y REMEDIAL IND: Y REMO	VAL IND: N F	ED FAC IND	N	
RPM PHO	NE:	(EF	PA Project	Office
IPTION: (optional)				
Off Big Hill Avenue behind Richmo	ond Ice Plant			
	•			
Part 2: Other site informat	ion			•
Part 2: Other site informat FIRST/_/ REPORTED	ion			•
Part 2: Other site informat	ion BY:			
Part 2: Other site informat FIRST/_/ REPORTED LISTING:	ion BY: Inspector obser			
Part 2: Other site informat  FIRST/ REPORTED  LISTING: Questionable fill for small lake-	ion BY: Inspector observable.	ved oil slick	and oil on	
Part 2: Other site informat  FIRST/ REPORTED  LISTING: Questionable fill for small lake-	ion BY: Inspector obser	ved oil slick	and oil on	
Part 2: Other site informat  FIRST/ REPORTED  LISTING: Questionable fill for small lake- other slimy substances dumped in	ion BY: Inspector obser	ved oil slick	and oil on	
	Big Hill Avenue and Heath  Richmond  Madison  37 44' / 26" LONGITUDE:  IND: Y REMEDIAL IND: Y REMO  RPM PHO  IPTION: (optional)	Richmond Ice Plant  Big Hill Avenue and Heath CONG DIST:  Richmond ZIP: 40475  Madison CNTY CODE: 1  37 44' / 26" LONGITUDE: 84 ' / 17' / 45  IND: Y REMEDIAL IND: Y REMOVAL IND: N FROM PHONE: -	Richmond Ice Plant  Big Hill Avenue and Heath  CONG DIST: 05 (optional Richmond  Richmond  ZIP: 40475  Madison  CNTY CODE: 151 (optional 157)	Richmond Ice Plant  Big Hill Avenue and Heath  CONG DIST: 05 (optional)  Richmond  ZIP: 40475  Madison  CNTY CODE: 151 (optional)  37 44' / 26"  LONGITUDE: 84 ' / 17' 45" (optional)  IND: Y REMEDIAL IND: Y REMOVAL IND: N FED FAC IND: N  RPM PHONE: - (EPA Project



## HRS SCORE SHEET

DATE: 8-2/-87

SITE NAME: Richmon	d Ice	Company		<u></u>	
EPA ID 1: New Site RE		In May	por.	<del></del>	
FACTOR SCORES		Score	Default	Known	Est imate
1) Toxicity/persistence (TP) 2) Waste quantity (WQ) 3) Containment (Groundwater) 4) Depth to aquifer of conce 5) Distance to nearest well/ 6) Containment (Surface Water) 7) Distance to surface water 8) Distance to surface intak	rn (D <sub>ac</sub> ) population () r) (C <sub>gw</sub> ) (D <sub>Sw</sub> )	3	none (1) (3) (6) none (3) (6) none		
S GROUNDWATER ROUTE SCORING:					
3) If observed release:	Sgw = (TP	$\frac{+ \text{ WO}) (DP_{G} + 9)}{12.74}$	(10) (15 12,74	_ =	<u>//.77</u>
) If no observed release: SURFACE WATER ROUTE SCORIN	S <sub>gw</sub> = <u>(Dac</u>	+ 7) (TP + NQ) 573.3 (10) (15) (3) (75.5	(DP <sub>g</sub> + 9)(	<u>C</u> gu) =	8.63
If observed release:	S <sub>SW</sub> = (TP	+ WO) (DP <sub>R</sub> + 9)	(10) (9) 14.3	-	(,79
If no observed release:		+ 5) (TP + NQ)		<u>C≘.</u> ) ⇒	3.36
TIMEDIA HRS SCORING	_(8	(10) (9) (3) (43,5	?)		

not score the air route unless an observed release is known to have occurred.

The scoring in above steps is based on the following default scores:

- 1: the sum of the scores for net precipitation, permeability, and physical state is \_7\_,
- 2: the groundwater use is for drinking and the score used is 9.
- 3: the sum of the scores for slope/terrain, rainfall and physical state is
- the sum of the scores for surface water use and distance to sensitive environments is 9.

If these assumptions are known to be substantially incorrect, complete an HFS scoring sheet.

Facility Name:	Richmond Ice	Company
Location:	Richard, Ky. 816 H	eeth Street
EPA kegion:	74	
Person(s) as Ch	sige of the facility:	Marsh Orwtenburger
		Maylin William
Name of Reviews	: J. Maybrier	Date: 08-21-97
General Descrip	tion of the Facility:	
types of hazar contamination- needed for rat	dous substances; locat route of major concern ing; agency action, et	n; types of information te.)
· A pond be	hind the Richmond.	Ice Compay was
filled in with	h garbese beginning in	1 73 whil 78, Oil
was noted	in edge if pr	d n a April 3, 1973
5: te Vis.+	In May 1978 to	he pind and garbor was
graded and	covered with soil.	<del> </del>
Scores: Sy = -	7.77 (Sgr = 9.42 S	3.36 = 29.49 ) Sheered Release Release
	HOT SCOPED	Kelesa
S <sub>DC</sub> -	41.67 observed release	

. Figure 1 HRS COVER SHEET

		Ground Water	er Route Work Si	heet				İ
	Rating Factor		od Value o One)	Multi- plier	Score	Max. Score	Ref. (Section)	
0	Observed Release	0	45	1		45	3.1	
	If observed release is gi		·					
2	Route Characteristics Depth to Aquifer of Concern	0 1 2	3	2	7	6	3.2	30'-to 35'
	Net Precipitation Permeability of the Unsaturated Zone	0 1 2	6	13	2	3		-35 senson lexup 12 mules
	Physical State	0 1 2	<u> </u>	1	<i>3</i>	15		liquid oil
3	Containment	0 1 2	<b>3</b>	1	3	3.	3.3	poired directyon
4	Waste Characteristics Toxicity/Persistence Hazardous Waste Quantity	0 3 8 0 1 2	(9) 12 15 18 3 4 5 6 7	8 1	99	18	3.4	2/1 40dms
		Total Waste Cha	aracteristics Sco	re	1010	26		
6	Targets Ground Water Use Distance to Nearest Well/Population Served	0 1 0 4 12 16 1 24 30 3	3 10 8 20 2 35 40	3 5	66	9 •	3.5	1.1 miles / 4pcy
		Total Tar	geta Score		12 17	49		
<b>8</b>		y 1 x 4 x 5 2 x 3 x 4			5400 3960	57,330		
7	Divide line 6 by 57,33	O and multiply by 1	100	S <sub>gw</sub> =	9,42	Obse- Relea	sed se	
		<b>P</b> 14	CHRE 2	4		No Ob Relea	oserved	

GROUND WATER ROUTE WORK SHEET

# **DRAFT**

		Surface Wat	er Route Work Si	heet				
Ra	iting Factor		ed Value le One)	Multi- plier	Score	Max. Score	Ref. (Section)	
О ОЬ	served Release	0	45	1		45	4.1	
		given a value of 45, given a value of 0, p		_				
F	oute Characteristics Facility Slope and In	ntervening 0 Ø 2	. 3	1	1	3	4.2	<3%
1	I-yr. 24-hr. Rainfall Distance to Nearest Water	0 1 <b>3</b> Surface 0 1 2	) 3 ! Ø	1 2	2 6	- 3 - 6	,	2.75" 2500' to intermitted stream
۶	Physical State	0 1 2	: <b>3</b>	1	3	_ 3	<u> </u>	19. Form
		Total Route Ch	naracteristics Scor	re	12	15		
3 ℃	ontainment	0 1 2	! <b>3</b>	1	3	3	4.3	oil porned din
1	aste Characteristics Toxicity/Persistence Hazardous Waste Quantity		3 <b>9</b> 12 15 18 2 3 4 5 6 7	1 8 1	9 4	Ž 18 _ 8	4.4	2/1 2 40 drums
· · · · · · ·		Total Waste Ch	naracteristics Sco	re	10 16	26		
	rgets Surface Water Use Distance to a Sensi Environment	0 1 tive (0 1	② 3 2 3	3 2	0 0	-	4.5	
F	Population Served/I to Water Intake Downstream	Distance ) 0 4 12 16 24 30	6 8 10 18 20 32 35 40	1	0 0	≥ 40		
		Total Ta	argets Score		6.6	55		
_	line 1 is 45, mu line 1 is 0, mult	Itiply 1 x 4 x   iply 2 x 3 x (	§ ∮ x §		2700 216	64,350		
7 Div	vide line 6 by 6	4,350 and multiply by	100	S <sub>sw</sub> -	1/2	Obs Rele	erved	

SURFACE WATER ROUTE WORK SHEET

# DRAFT

	Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Mex. Score	Ref. (Section)	
① Observed Release	0 45	1	45	45	5.1	
Date and Location:						
Sampling Protocol:						
If line $\boxed{1}$ is 0, the $S_a$ if line $\boxed{1}$ is 45, then	= 0. Enter on line [5]. proceed to line [2].					
Waste Characteristics	0 1 2 🚯	1	3	3	5.2	In anyt.
Reactivity and incompatibility			9			7
Toxicity Hazardous Waste Quantity	0 1 2 3 0 0 2 3 4 5 8 7	8 1		8	:	Z
	Total Waste Characteristics Scor	•	10	20		
Targets Population Within	) 0 9 12 15 18	1	_21_	30	5.3	
4-Mile Radius Distance to Sensitive	27) 24 27 30	2				
Environment	0163					
Land Use	0 1 2 3	1	~~	3		i i
	Total Targets Score		23	39		
Multiply 1 x 2 x	3		2949	35,100		
	100 and multiply by 100					1

FIGURE 9
AIR ROUTE WORK SHEET

	Spanyad Kelasa	A absorb	Observed Referred	No Observe Release
Groundwater Route Score (Sgw)	9.42	6.91	88.74	47.75
Surface Water Route Score (Sgw)	4.20	3,36	17.64	11,28
Air Route Score (Sa)	29:49		869.60	
$s_{gv}^2 + s_{gv}^2 + s_a^2$			976,H	
$\sqrt{s_{gv}^2 + s_{gv}^2 + s_{g}^2}$			31,24	
$\sqrt{s_{gw}^2 + s_{gw}^2 + s_a^2} / 1.73$	<b>V////</b>		<b>1</b> 1	18.05
			ji sm	4,4/4

Figure 10
WORKSHEET FOR COMPUTING SM

10638

10131

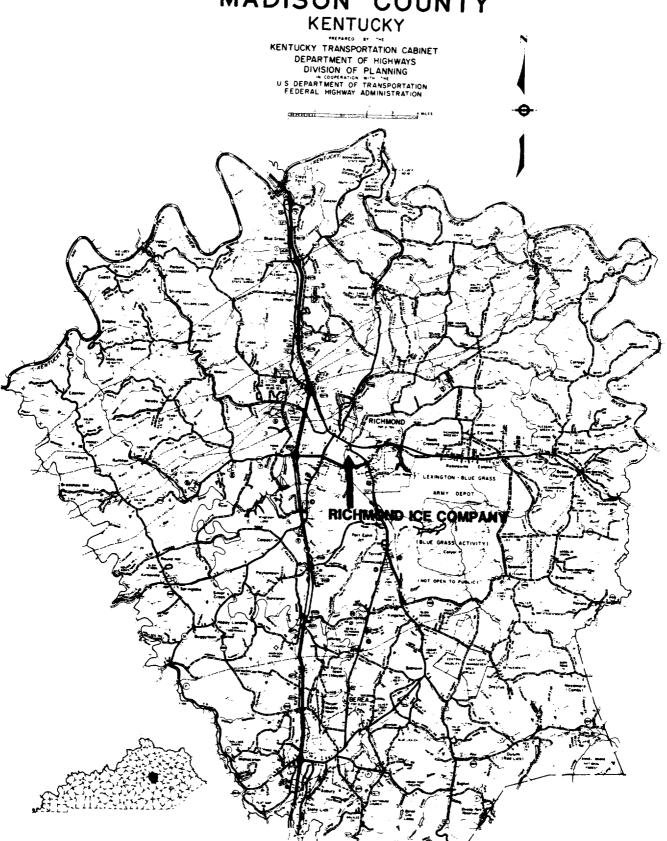
5.96

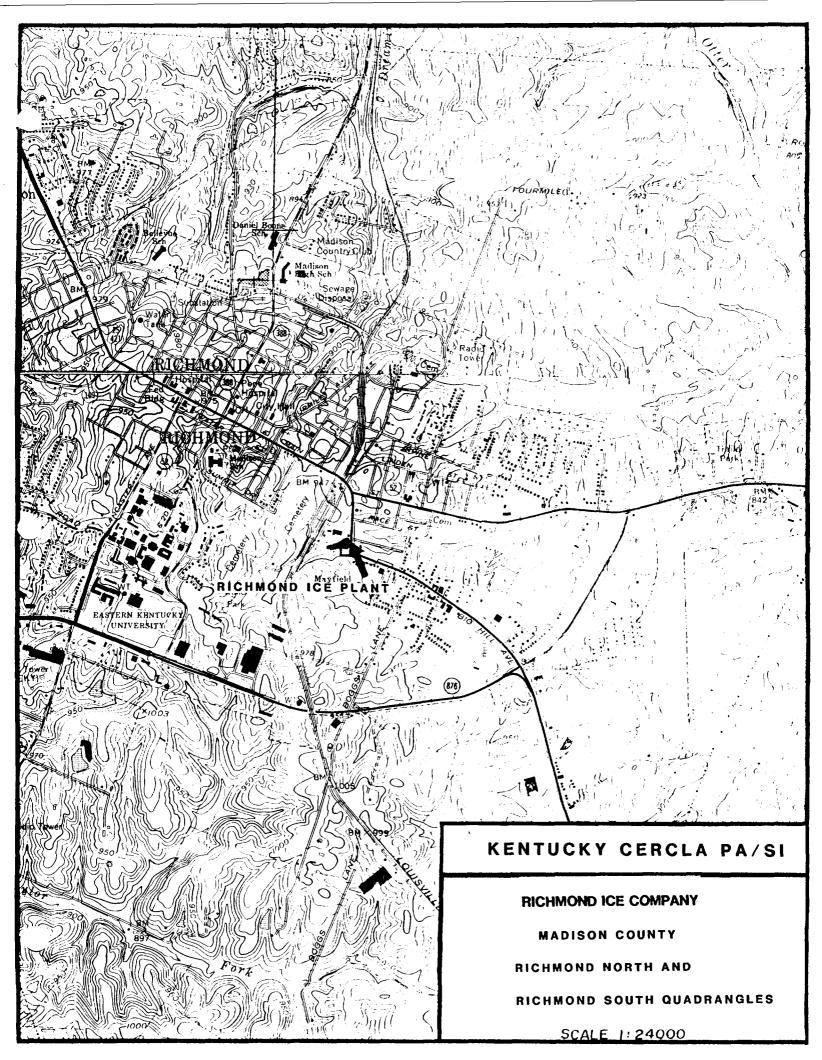
	*	Direct Contact Work 5	Sheet				]
	Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	]
0	Observed Incident	0 45	1		45	8.1	
	If line 1 is 45, proceed to 1 line 1 is 0, proceed to						
2	Accessibility	0 1 2 ③	1	3	3	8.2	
3	Containment	0 16	1	15	15	8.3	
<u></u>	Waste Characteristics Toxicity	0 1(2)3	5	10 10	16	8.4	
(5)	Targets Population Within a 1-Mile Radiue Distance to a	0 1 2 3 4 <b>(</b> 5)	4	25 25 0 0		8.5	21,907 people residing withing a 1 mile rudi of the ste
	Critical Habitat						
						İ	
						)	
						1	
				<del>,  </del>	<del></del>	`! 1	
		Total Targets Score		20 20	32	ļ	
	If line 1 is 45, multiply If line 1 is 0, multiply 2			9000 9000	21,600		
7	Divide line 6 by 21,600 a	and multiply by 100	S <sub>DC</sub> -	41.6	,7 I	ncident	
	DII	FIGURE 12 RECT CONTACT WOI	Spc=		No	o Observed incident	]

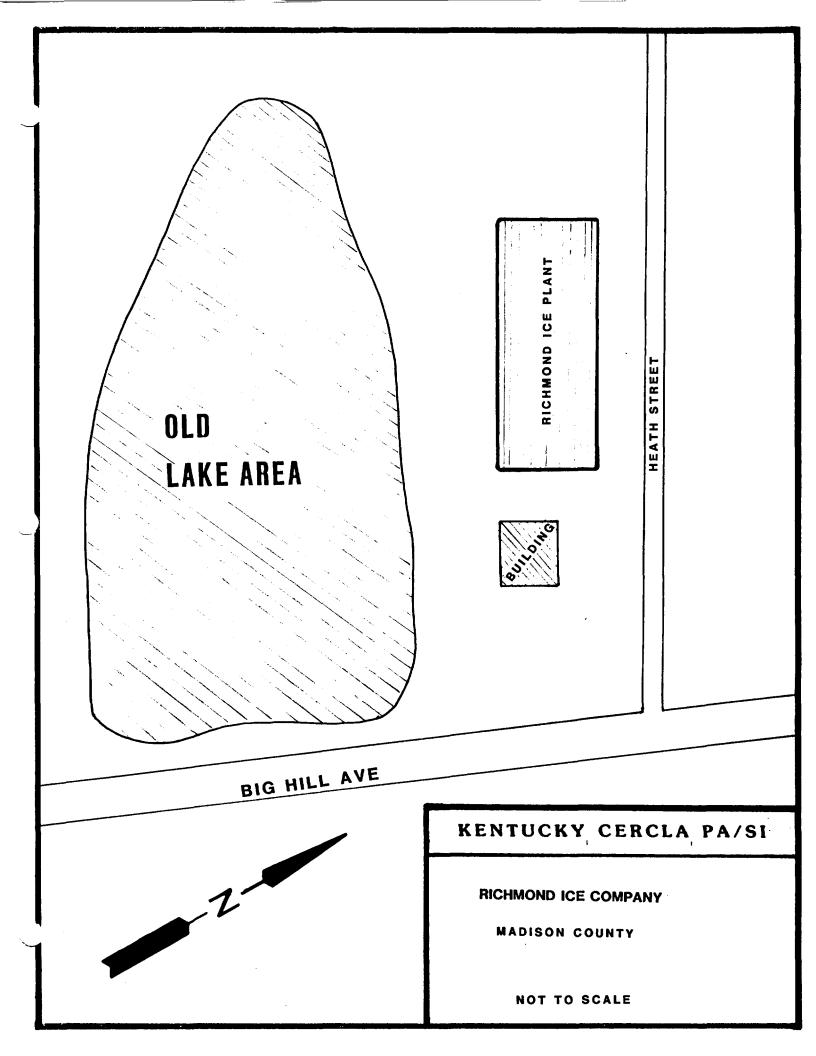


1986 EDITION GENERAL HIGHWAY MAP

# MADISON COUNTY









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#### <u>M E M O R A N D U M</u>

April 4, 1973

4.1

TO:

Jerry Hurst, Director

Field Program

Division of Solid Waste

FROM:

Theodore F. Gibson, P. H. Rep. II.

Training Program

Division of Solid Waste

SUBJECT:

Investigation of Complaint at Richmond Ice Plant

On April 3, 1973, Mr. Larry Campbell, Madison County Sanitarian, and I went to the Richmond Ice Plant to investigate a report that pollutants were being dumped into a small lake in an effort to fill it.

This is definitely the case. Part of the lake's bank was black where the oil had settled and there was a small oil slick near the bank. Part of the bank was still wet from some sort of slimy substance that had been dumped into the water.

We spoke to Mr. Ben Robinson, owner of the Richmond Ice Plant, and he stated that dirt and broken up concrete were being placed in the lake with his permission, but the oil and other refuse was not.

This lake appears to be fed by a small stream and I do not see how it can be filled completely. Mr. Robinson spoke of installing some piping to allow the stream to flow, but he seemed insistent that the filling operation would continue.

I recommend that if this lake is to be filled, only dirt be used, and use of all other materials be stopped.

Theodore F. Gibson, P.H. Rep. II.

Training Program

TFG:1w

cc: Mr. Ben Robinson

c/o Richmond Ice Plant

Madison County Health Dept.

Water Pollution

### **MEMORANDUM**

May 10, 1978

TO:

Ross Singleton, Area Supervisor

FROM:

Marsha Denton, PHR II

SUBJECT:

Madison County #076.01D, Richmond Ice Company

On April 25, 1978, Lloyd Funkhouser and I inspected the above named dump in Richmond, Kentucky. It is located behind the Richmond Ice Company at Big Hill and Heath Streets.

The dump had been graded recently and covered. But the perimeters of the dump need a lot of work. Also new dumping had begun at the front of the dump.

We talked to Mr. Ben Robinson, the owner. He said he had been filling in for six years, that the dump used to be a pond from which the company got the ice they sold. I told him he was in violation of the law and gave him a permit application.

MD: mq

cc: Jim Denton

Madison County Health Dept.



JULIAN M. CARROLL GOVERNOR

#### COMMONWEALTH OF KENTUCKY

## DEPARTMENT FOR NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL PROTECTION

JOHN A. ROTH

COMMISSIONER

FRANKFORT, KENTUCKY 40601 May 9, 1978

Mr. Ben Robinson Richmond Ice Company Heath Street Richmond, Kentucky 40475

Dear Mr. Robinson:

On April 25, 1978, field staff from our division inspected a tract of land belonging to the Richmond Ice Company located in Richmond at Big Hill Avenue and Heath Street behind the ice company. This land is being used for disposal of construction debris, junk and household waste and appears to be in violation of the Kentucky Solid Waste Regulations.

This problem can be alleviated by either removing said waste and depositing it in a state approved landfill or by covering the waste with a minimum of two feet of soil to prevent its recurrence.

I would appreciate a written reply from you stating your intentions and a time schedule for correcting this apparent violation. Your reply should be received in this office no later than May 24, 1978. If you have any questions concerning this matter, or if this office may be of assistance, please feel free to contact me.

Sincerely,

Caroline Patrick Haight, Chief Non-Hazardous Waste Management Section Division of Hazardous Material & Waste

Cholm Patrick Hought

Management

CPH: MD: mg

cc: Ross Singleton, Area Supervisor Marsha Denton, Inspector

April 18, 1973

Richmond Ice Plant Richmond, 40475 Rontucky

Attention: Jen Robinson

Bear Sir:

It has been brought to the extention of this office that solid waste is being disposed of on property belonging to the Richmond Ice Plant. It is further noted that this mate is being dusped into a body of unter. This letter is to inform you, as preparty owner, that such action is in violation of the law and must come immediately.

Reclosed is a copy of "Kontucky Solid Neste Disposel Lous and Regulations," of which you should road K.R.S. 211.707, 211.713, 211.717 and 211.992. Furthermore, cortain sections of K.R.S. 433 are also being violated. Attached is a copy of these laws.

It is highly recommended that access to this area he prohibited and that permission to dump these be withdrawn. By may of copy of this letter, I am notifying the State Police and the County Shoriff's office in an offert to stee unsutherized dusping at the site.

Notify this office in writing of your intentions and schodule of correcting these violations.

Jerry Gurat

Jerry L. Buret

Associate Society Regimest

Piold Program

JLE: me

ee: Medison County Health Department Medican County Sheriff Ry. State Police, Post 97

May 23, 1973

Madison County Health Department Route 3, Box 11A logge Lane Richmond, Kentucky 40475

ATTN: Dele Marcum

Dear Sir:

This letter is in reference to the application of the Richmond Ice Plant to fill in the lake just off of Big Hill Avenue.

In the application there was no mention as to what types of materials would be used to fill the lake. In your cover letter, you stated "If dirt only is gradually used to fill this lake, them it will eliminate the muisance of odor and breeding of vectors." I agree with that statement, but there was no mention of "Mirt only" being used to fill in the lake. I assume this was a verbal understanding between you and the Ice Plant.

If it is true that the intent to fill with dirt only then this office does not even require a permit. Dirt is not considered a form of solid weste and therefore, this operation would not be one of solid waste but in fact a grading operation.

However, I might add that from experience I have learned that any type of filling operation seems to attract garbage. Since the property owner is responsible for the condition of the land, the Richmond Ice Plant will have to control this operation in order to prevent any type of waste being disposed of at the site.

Again, I want to say that a persit from this effice is not required if dirt is all that is to be used to fill the lake. If any other material is to be used, the application should be resubsitted along with a list of the types of materials to be disposed of,

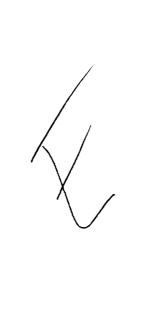
If this office can be of any sesistance, do not hesitate to contact us.

Sincerely,

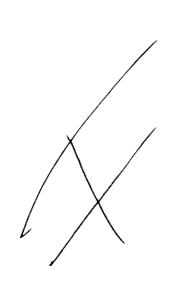
Jerry L. Hurst, Associate Sanitary Engineer Field Program

JLH ev

Richmond Ice Company



# UNSCANNABLE MEDIA (PHOTOGRAPHS)



949/

SOURCE2

PUBLIC WATER SYSTEMS WITHDRAWING WATER FROM SURFACE SOURCES (NOTE: AVERAGE PRODUCTION INCLUDES DEC 1985 THRU NOV 1986 DATA)

PWS TO	SYSTEM NAME:	PRIME SRCE	POPULATION	AVG PROD	DESIGN CAP		URCE IN TYPE		AVAIL	LAT	LING
0750907	SACRAMENTO WATER WORKS	p	1,539	0	0	0 1	Р	MUHLENBURG WD#3	р	0000000	0000000
COUNTYL	MARISON										
0760030	BEREA CILLEGE WATER DEPARTMENT	8	10.098	1,382,636	3,000,000	01	s	COWRELL LAKE	٩	0373245	0841437
0762058	CLAYS FERRY CAMPGROUND	G	300	680	6,000	01	G	WELL	P	000000	0000000
0762059	COL D J WILLIAMS PISTOL RANGE	G	25	336	•	01	G	WELL	P	•	•
0762637	DEPARTMENT OF THE ARMY	3	700	131,877	720,000	01	8	LAKE VEGA	P	000000	0000000
0760224	KINGSTON-TERRILL WATER DIST	Þ	4,125	0	0	01	P	RICHMOND CITY	Þ	0000000	0000000
0760672	KIRKSVILLE WATER ASSOC	P	1,594	0	0	01	P	RICHMUND	Р	0000000	000000
0760285	MILFORD WATER DISTRICT	Ρ	1,782	0	0	01	Р	RICHMOND CITY	P	000000	0000000
0760370	RICHMOND WATER/GAS/SEWER WORKS	8	16,698	4,244,994	6,000,000	01	8	KENTUCKY RIVER	P	0374705	0840600
0760407	SOUTHERN MADISON WATER DIST	P	4,623	236,773	0	01	Ρ	BEREA WTR DEPT	P	0000000	0000000
0760441	WACO WATER DISTRICT	P	4,290	0	0	01	P	RICHMOND CITY	P	000000	0000000



# POPULATION DATA DOCUMENTATION

RADIUS HOUSE/BUILDING COUNT POPULATION  † Mile  / 635  1 Mile  / 635  2/, 907  2 Miles  7395  28/0/  3 Miles  7999  30, 054  4 Miles  809/  EHTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversit factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  EFERENCES:  1552 Photograph 1974 Mibril Quidrant Tolling System Use Manual, 10 1975 Richard Soft Radrogle """  1553 1965 " 1975 Richard Soft Radrogle """  1577 Kichard Soft Radrogle """  1577 Kichard Myth (Balangk """)  1579 Union City Quidrant """  1579 Union City Quidrant ""  1579 Union City Quidrant """  1579 Union City Quidrant ""  1579 Union City Quidrant """  1579	AME OF SITE: DUNTY:	Richmond ICE PLA	
# Mile  / 635  / 62/3  I Mile  / 635  2/, 907  2 Miles  7395  28/0/  3 Miles  7909  30,054  4 Miles  809/	JUNI I:	( / /ADISSA)	
I Mile    1635   62/3     Mile	RADIUS	HOUSE/BUILDING COUNT	POPULATION
1 Mile  5765  2/,907  2 Miles  7395  28,10/  3 Miles  7909  30,054  4 Miles  809/  30,744  HTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversic factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  FERENCES: U.S. 1952, Photograph 1979, Mobile Quadraght Tollingh Significant Significant Tollingh Significant Si	å Mile		
21,907  2 Miles  7395  28,10/  3 Miles  7909  30,054  4 Miles  809/  30,746  EHTODOLOGY: House and building counts are taken from U.S.G.S Topographing map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  FERENCES: U.S. 1952, Photograph 1974, Mobelly Quedrage 7, Smooth Soits 1953, 1955, 1955, 1974, Richard Soith Racking is """  365, 1965, "1974, Richard Soith Racking is """  365, 1965, "1977, Richard Soith Racking is """  366, 1965, "1977, Richard Soith Racking is """  367, 1967, Richard Soith Racking is """  368, 1967, "1977, Richard Soith Racking is """  368, 1967, "1977, Richard Soith Racking is """  369, 1967, "1977, Richard Soith Racking is """  376, 1967, "1977, Richard Soith Racking is """  3777, Richard S	½ Mile		
21,907  2 Miles  7395  28,10/  3 Miles  7909  30,054  4 Miles  809/  30,744  EHTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  FERENCES: USGS 1952 Photograph 1979, Mobely Quadrante Topographi 1979, Richard Sort Ranking in 1979, Richard Sort Ranking in 1979, Volume Workshop in 1979, Volume Worksho		1635	6213
2/, 907  2 Miles  7395  28/0/  3 Miles  7909  30,054  4 Miles  809/ 809/	1 Mile	•	
28/0/  3 Miles  7999  30,054  4 Miles  809/  30,744  EHTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  EFERENCES: U.S.G.S. 1952, Photograph 1979, Mobelly Quadrante, 7.5 Mobels Soft Ruckeyk " " " " " " " " " " " " " " " " " " "		5765	21,907
3 Miles  7909  30,054  4 Miles  809/  30,746  EHTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  EFERENCES:  55 1952 Photograph 1974 Mobile Ouders to Tomort Series 1974 Richard South Reversibe """  55 1965 " 1977 Richard South Reversibe """  56 1965 " 1977 Richard South Reversibe """  56 1965 " 1977 Richard South Reversibe """  57 1977 Richard Reversibe """  57 1977 Richard Reversibe """  57 1977 Richard Reversibe """  57 1977 Richard Reversibe """  57 1977 Richard Reversibe """  57 1977 Richard Reversibe """  57 1977 Rich	2 Miles		
3 Miles  7909  30,054  4 Miles  809/  30,746  EHTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  EFERENCES:  1955, 1952, Photograph 1979, Mobelly Quadrank, 75 Minch Series 1979, Richard South Quadrank, 1979, William & South Quadrank, 1979, 1979, 1979, Richard South Quadrank, 1979,		7395	28,10/
HTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  EFERENCES: U.G.S. 1952. Photograph 1979, Mobelly Oudrank Tomak Social USGS 1965. " 1979, Richard Sott Ruckage." " " " " USGS 1965. " 1979, Richard Sott Ruckage." " " " " USGS 1965. " 1979, Richard North Outrage." " " " " USGS 1965. " 1979, Union City Oudrank." " " " " " " " USGS 1965. " 1979, Union City Oudrank." " " " " " " " " " " " " " " " " " "	3 Miles	·	
EHTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  EFERENCES: U.S.65 1952, Photocysical 1979, Moberly Quadrangk Topmork Social USGS 1965 " 1979, Richard Soth Ruslangk " " " " " " " " " " " " " " " " " " "		7909	30,054
EHTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  EFERENCES: US.65 1952, Photograph 1979, Mobile Quadraght, 7.5 Minute Soils 1963, 1965, "1979, Richard South Ruckeyk """  JGGS 1965, "1979, Richard Hoth Quadraght """  JGGS 1965, "1979, Richard Hoth Quadraght """  JGGS 1965, "1979, Richard Hoth Quadraght """  JGGS 1965, "1979, Union City Quadraght """	4 Miles		
EHTODOLOGY: House and building counts are taken from U.S.G.S Topographi map(s). These numbers are then multiplied by the conversion factor of 3.8 persons per household, as suggested in EPA Uncontrolled Hazardous Waste Site Ranking System Use Manual, to obtain populations.  EFERENCES: U.G. 1952 Photograph 1979 Mobelly Quadrante Tomate Series 1979, Richard South Ruslande """  U.G. 1965 " 1979, Richard South Ruslande """  U.G. 1965 " 1979, Richard Moth Quadrante """  U.G. 1965 " 1979, U.G. of City Quadrante """  U.G. 1965 " 1979, U.G. of City Quadrante """  U.G. 1965 " 1979, U.G. of City Quadrante """  U.G. 1965 "" 1979, U.G. of City Quadrante """  """  U.G. 1965 "" 1979, U.G. of City Quadrante """  """  """  U.G. 1965 "" 1979, U.G. of City Quadrante """  """  """  """  """  """  """  ""		8091	30.746
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DMMENTS:	EFERENCES:	USGS 1965 " 1979, Rich	mond South Quelogie " " "
	MMENTS:		

# POPULATION DATA DOCUMENTATION For Groundwater usage

NAME OF SITE:	Kichmond I	ce 121ent
COUNTY:	Madison	
RADIUS	HOUSE/BUILDING COUNT	POPULATION
† Mile		
<del>ј</del> Міје	.0	<i>S</i>
1 Mile	0	0
2 Miles	しる	50
3 Miles	57	217
4 Miles	79	30/
MEHTODOLOG	map(s). These numbers are factor of 3.8 persons per h	taken from U.S.G.S Topographic then multiplied by the conversion household, as suggested in EPA's ste Site Ranking System Users
REFERENCES:	USGS 1952, Philosophics USGS 1965, " USGS 1965, "	1979, Moberly and 75 monte Topon 1979, Richmond North """ 1979, Richmond South, """"
COMMENTS:		

# SITE DISCOVERY FORM

# Part 1: Information necessary to add a site to CERCLIS

ACTION: A				
EPA ID: K	4D \$42943217			
SITE NAME:	Richmond Ice Plant	,	SOURCE: _	(R=EPA, T=STATE)
STREET:	Big Hill Avenue and Heath	CONG DIST: 0	5 (optional)	
CITY:	Richmond	ZIP: 40475 -		
CNTY NAME:	Madison	CNTY CODE: 15	1 (optional	<b>)</b>
LATITUDE: _	37 44' / 26" LONGITUDE:	84 / 17 / 45"	(optional	<b>)</b>
INVENTORY I	ND: Y REMEDIAL IND: Y REMOV	AL IND: N F	FD FAC IND:	N
RPM NAME; _	RPM PHOP	VE:	(EPA	Project Officer
SITE DESCRI	PTION: (optional)		POBO.	X 266
	Off Big Hill Avenue behind Richmo	nd Ice Plant		
<b></b>				
		·		
		***		
	<b>-</b> . <b>-</b>			
	Part 2: Other site informat	ion		
	IRST / REPORTED	BY		•
REASON FOR	LISTING:			
	Questionable fill for small lake-	Inspector observ	ed oil slick a	nd oil on banks-
	other slimy substances dumped in	lake.		
			,	
	,			

# SITE DISCOVERY FORM

# Part 1: Information necessary to add a site to CERCLIS

ACTION: A				
EPA ID:				
SITE NAME:	Richmond Ice Plant		SOURCE: _	(R=EPA, T=STATE)
STREET:	Big Hill Avenue and Heath	CONG DIST: 05	(optional)	
CITY:	Richmond	ZIP: 40475 _		
CNTY NAME:	Madison	CNTY CODE: 151	_ (optional	<b>)</b>
	_37 44' / 26"_ LONGITUDE:			
INVENTORY I	IND: Y REMEDIAL IND: Y REMOV	AL IND: N FE	D FAC IND:	N
RPM NAME;	RPM PHON	VE:	(EPA	Project Officer
SITE DESCRI	IPTION: (optional)			
	Off Big Hill Avenue behind Richmon	nd Ice Plant		
	•	•		
			~	
	Part 2: Other site informat:	ion		
		1011		
REPORTED:	FIRST REPORTED	BY:		
REASON FOR				
	Questionable fill for small lake-	Inspector observe	ed oil slick a	and oil on banks-
	other slimy substances dumped in			
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		,	
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
		* ** ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		